

STEREO MOC Status Report  
Time Period: 2010:144 - 2010:150

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 148, during the three day APL commercial power outage, MOC remote notification was degraded due to an unplanned Blackberry server outage at APL. Track and MOC operations were monitored remotely using VPN services.
- On day 150, during the DSS 25 support, the command uplink was 10 minutes late due to the transmitter tripping off-line at 1442z. The transmitter tripped again at 1546z. The transmitter server was rebooted and the uplink was re-established at 1639z. This resulted in the loss of 63 minutes of commanding and tracking data and several minutes of SSR data for all instruments. See DR# G110266 for more information.
- On day 150, during the three day APL commercial power outage, at approximately 1830z, APL to JPL RIONet links were switched to the backup links when the generator powering the primary link failed. No data was lost during the transfer.
- On day 150, during the DSS 25 support, real-time telemetry and commanding were lost beginning at 1842z due to a power outage at the Goldstone complex. Power was restored and the antenna re-established tracking at 1917z. This resulted in the loss of 35 minutes of commanding and tracking data and several hours of SSR data for all instruments. See DR# G110272 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On DOY 146 at 0925z, a SECCHI GT Calibration Offpoint event was conducted.
- On day 146, the MOps permanent macro release 1.1.4 was loaded to C&DH EEPROM and RAM which added an autonomy rule to free SSR space, due to longer track durations, during the science SSR playback to increase data return.
- The average daily SSR playback volume for Ahead was 4.7 Gbits during this week.

## STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 144, the DSS 24 support did not occur as the maser receiver was red before BOT. No other stations were available. This resulted in the loss of more than a day of all SSR data. See DR# G110257 for more information.
- On day 148, during the three day APL commercial power outage, MOC remote notification was degraded due to an unplanned Blackberry server outage at APL. Track and MOC operations were monitored remotely using VPN services.
- On day 148, during the DSS 15, telemetry reception was 28 minutes late due a MOC procedural error. The S/C SSR playback was skipped and the science SSR playback was started 14 minutes early.
- On day 150, during the three day APL commercial power outage, at approximately 1830z, APL to JPL RIONet links were switched to the backup links when the generator powering the primary link failed. No data was lost during the transfer.
- On day 150, during the DSS 15 support, real-time telemetry and commanding services were late beginning at 1900z due to a power outage at the Goldstone complex. Power was restored and the antenna began tracking at 2009z. The XHEMT receiver was used as the X-maser failed. This resulted in the loss of 69 minutes of commanding and tracking data and several hours of SSR data for all instruments. See DR# G110270 for more information.
- On day 142, in-situ instruments SSR partitions began overwriting due to insufficient track coverage. Specifically, an eight hour cumulative track shortage beginning in the previous week, and 6.2 hour cumulative track shortage this week, with an unplanned track loss on day 144, resulted in intermittent loss of many hours of in-situ instrument SSR data beginning on day 142 through 148. The primary cause of the insufficient track time was sharing the same view with many other higher priority missions, including the Planet C launch.

2. The following spacecraft/instrument events occurred during this week:

- On day 146, the MOPs permanent macro release 1.1.4 was loaded to C&DH EEPROM and RAM which added an autonomy rule

to free SSR space, due to longer track durations, during the science SSR playback to increase data return.

- The average daily SSR playback volume for Behind was 3.2 Gbits during this week.